

=> FIL REGISTRY  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:49:06 ON 17 OCT 2003  
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STRUCTURE FILE UPDATES: 15 OCT 2003 HIGHEST RN 605619-14-5  
DICTIONARY FILE UPDATES: 15 OCT 2003 HIGHEST RN 605619-14-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s cyclase inhibiting parathyroid hormone

2411 CYCLASE  
6765 INHIBITING  
270 PARATHYROID  
8205 HORMONE

L1 0 CYCLASE INHIBITING PARATHYROID HORMONE  
(CYCLASE(W) INHIBITING(W) PARATHYROID(W) HORMONE)

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2  
AN 2001:211526 CAPLUS  
DN 134:247444  
TI Paradoxical actions of exogenous and endogenous parathyroid  
hormone-related protein on renal vascular smooth muscle cell  
proliferation: reversion in the SHR model of genetic hypertension  
AU Massfelder, Thierry; Taesch, Nathalie; Endlich, Nicole; Eichinger, Anne;  
Escande, Benoit; Endlich, Karlhans; Barthelmebs, Mariette; Helwig,  
Jean-Jacques  
CS Section of Renovascular Pharmacology and Physiology (INSERM-ULP),  
University Louis Pasteur School of Medicine, Strasbourg, Fr.  
SO FASEB Journal (2001), 15(3), 707-718  
CODEN: FAJOEC; ISSN: 0892-6638  
PB Federation of American Societies for Experimental Biology  
DT Journal  
LA English

L Number	Hits	Search Text	DB	Time stamp
1	4	cyclase adj inhibiting adj parathyroid adj hormone	USPAT; US-PGPUB; EPO; DERWENT	2003/10/17 10:10
2	14	cyclase same inhibiting same parathyroid same hormone	USPAT; US-PGPUB; EPO; DERWENT	2003/10/17 10:10

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 10:20:38  
ON 17 OCT 2003

L1 4 S CYCLASE (W) INHIBITING (W) PARATHYROID (W) HORMONE  
L2 2 DUPLICATE REM L1 (2 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:22:48 ON 17 OCT 2003

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 10:27:10  
ON 17 OCT 2003

L3 0 S L1 AND (IMMUNOASSAY OR ASSAY)  
L4 86 S CYCLASE (S) INHIBITING (S) PARATHYROID (S) HORMONE  
L5 42 DUPLICATE REM L4 (44 DUPLICATES REMOVED)  
L6 4 S L5 AND (IMMUNOASSAY OR ASSAY)  
L7 7 S L4 AND ANTIBOD?  
L8 5 DUPLICATE REM L7 (2 DUPLICATES REMOVED)

 <a href="#">ExPASy Home page</a>	<a href="#">Site Map</a>	<a href="#">Search ExPASy</a>	<a href="#">Contact us</a>	<a href="#">Swiss-Prot</a>
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Search  for

## Search in Swiss-Prot and TrEMBL for: cyclase inhibiting parathyroid hormone

**Swiss-Prot Release 42.0 of 10-Oct-2003: 135850 entries**

**TrEMBL Release 24.15 of 10-Oct-2003: 934132 entries**

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Enter search keywords:

☐ Prefix and append wildcard '\*' to words.

Search in: ☒ Swiss-Prot ☒ TrEMBL

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By default, this search engine searches for complete words only. If you did not find what you expected, and would try to do a substring match, you should perform a new search and select 'prefix and append wildcard to words'.

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Warning: The search for adjacent words is performed for only two words.

**The request is performed as:**

**cyclase inhibiting AND inhibiting parathyroid AND parathyroid hormone**

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**No entries have been found in Swiss-Prot and TrEMBL. Please try again.**

---

If you are confident that you have not made any mistake in typing in your request and that the protein(s) that you are interested seem to currently be missing from Swiss-Prot, you can leave a message to the Swiss-Prot team so that they can, if possible, create these entries.

[Send a mail to Swiss-Prot](#)

 <a href="#">ExPASy Home page</a>	<a href="#">Site Map</a>	<a href="#">Search ExPASy</a>	<a href="#">Contact us</a>	<a href="#">Swiss-Prot</a>
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 <a href="#">ExPASy Home page</a>	<a href="#">Site Map</a>	<a href="#">Search ExPASy</a>	<a href="#">Contact us</a>	<a href="#">Swiss-Prot</a>
Hosted by NCSC US Mirror sites: <a href="#">Bolivia</a> <a href="#">Canada</a> <a href="#">China</a> <a href="#">Korea</a> <a href="#">Switzerland</a> <a href="#">Taiwan</a>				
Search <input type="text" value="Swiss-Prot/TrEMBL"/> for <input type="text" value="cyclase inhibiting parathy"/> <input type="button" value="Go"/> <input type="button" value="Clear"/>				

## Search in Swiss-Prot and TrEMBL for: cyclase inhibiting parathyroid hormone

Swiss-Prot Release 42.0 of 10-Oct-2003

TrEMBL Release 24.15 of 10-Oct-2003

No entries have been found. Please try again.

---

<input type="text" value="cyclase inhibiting parathyroid hormone"/>
<input type="button" value="New Search"/>

in Swiss-Prot/TrEMBL by AC, ID, description,  
gene name, organism  
**Please do NOT use any boolean operators (and,  
or, etc.)**

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If you are confident that you have not made any mistake in typing in your request and that the protein(s) that you are interested seem to currently be missing from Swiss-Prot/TrEMBL, you can leave a [message to the Swiss-Prot team](#) so that they can, if possible, create these entries.

Please note, however, that your search may have been unsuccessful because the specified keyword(s) do not appear in the ID, DE, GN, OS or OG lines, but elsewhere in a Swiss-Prot/TrEMBL entry.

Try a [full text search in Swiss-Prot/TrEMBL](#) with the same keyword(s)

or

Query Swiss-Prot and TrEMBL using the [Sequence Retrieval System \(SRS\)](#), which also allows to perform more directed searches with more sophisticated criteria.

 <a href="#">ExPASy Home page</a>	<a href="#">Site Map</a>	<a href="#">Search ExPASy</a>	<a href="#">Contact us</a>	<a href="#">Swiss-Prot</a>
Hosted by NCSC US Mirror sites: <a href="#">Bolivia</a> <a href="#">Canada</a> <a href="#">China</a> <a href="#">Korea</a> <a href="#">Switzerland</a> <a href="#">Taiwan</a>				

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
TI Analysis of the requirements for parathyroid hormone action in renal membranes with the use of inhibiting analogs  
AB Two synthetic analogs of bovine parathyroid hormone (PTH) [12584-97-3] with NH2-terminal modifications, PTH(3-34) [51257-86-4] and [desamino-Ala-1]PTH-(1-34) [56378-50-8], were found to lack agonist activity but to demonstrate antagonist properties when tested in the rat renal cortical adenylyl cyclase [9012-42-4] **assay** in vitro against the native hormone or against PTH-(1-34) [12583-68-5], the active synthetic NH2-terminal tetratriacontapeptide. The inhibition exhibited by these analogs was proportional in degree to the dose of inhibitor, abolished by oxidn. of the analog, reversible by addn. of an excess of active hormone, and sp. for parathyroid hormone-stimulated renal adenylyl cyclase. No inhibition of basal or sodium fluoride-stimulated renal adenylyl cyclase could be demonstrated. Two other synthetic bovine analogs, PTH-(13-34) [51288-19-8] and PTH-(1-26) [51193-54-5], were devoid of agonist and antagonist properties. The over-all results suggest that the requirements for receptor binding of parathyroid hormone are rather broad. Conformational factors or binding interactions involving sp. residues, or both, seem to require the entire sequence from residue 3 to residue 27 for receptor binding to occur. A dichotomy between receptor binding and adenylyl cyclase activation was demonstrated only by alterations or deletions involving the 1st 2 NH2-terminal residues of the hormone and emphasizes the importance of these residues in eliciting the biol. activity of parathyroid hormone. The 2 antagonists, [desamino-Ala-1]PTH-(1-34) and PTH(3-34), should be useful in further anal. of the initial steps in hormone action.  
SO Journal of Biological Chemistry (1975), 250(8), 3199-203  
CODEN: JBCHA3; ISSN: 0021-9258  
AU Goltzmann, David; Peytremann, Andre; Callahan, Edward; Tregear, Geoffrey W.; Potts, John T., Jr.

2	PARATHYROID HORMONE (1-11)
E5	1 PARATHYROID HORMONE (1-11) AMIDE, ALA(3)-GLN(1
E6	2 PARATHYROID HORMONE (1-14) AMIDE
E7	2 PARATHYROID HORMONE (1-28)
E8	2 PARATHYROID HORMONE (1-30)
E9	6 PARATHYROID HORMONE (1-31)
E10	3 PARATHYROID HORMONE (1-31)-NH2, LEUCYL(27)-CYC
E11	87 PARATHYROID HORMONE (1-34)
E12	22 PARATHYROID HORMONE (1-34) AMIDE

Enter P or PAGE for more

?p

Ref	Items	Index-term
E13	11	PARATHYROID HORMONE (1-34) AMIDE, NLE(8), NLE(
E14	1	PARATHYROID HORMONE (1-34)-NH2, NLE(8,18)-LYS(
E15	1	PARATHYROID HORMONE (1-34), ALA(25,26,27)-
E16	1	PARATHYROID HORMONE (1-34), ARG(2)-
E17	3	PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS
E18	3	PARATHYROID HORMONE (1-37)
E19	1	PARATHYROID HORMONE (1-84), ASP(76)-
E20	1	PARATHYROID HORMONE (14-34) AMIDE, TYR(34)-
E21	1	PARATHYROID HORMONE (19-38)
E22	1	PARATHYROID HORMONE (2-34)
E23	3	PARATHYROID HORMONE (24-48)
E24	7	PARATHYROID HORMONE (28-48)

Enter P or PAGE for more

?p

Ref	Items	Index-term
E25	1	PARATHYROID HORMONE (28-54)
E26	39	PARATHYROID HORMONE (3-34)
E27	26	PARATHYROID HORMONE (3-34) AMIDE, NLE(8,18)-NL
E28	1	PARATHYROID HORMONE (3-34) AMIDE
E29	3	PARATHYROID HORMONE (3-84)
E30	1	PARATHYROID HORMONE (3-84), FORMYLMETHIONYL-
E31	1	PARATHYROID HORMONE (37-84)
E32	1	PARATHYROID HORMONE (4-84)
E33	1	PARATHYROID HORMONE (42-55), 55-TYR-
E34	1	PARATHYROID HORMONE (43-68), 68-TYR-
E35	15	PARATHYROID HORMONE (44-68)
E36	1	PARATHYROID HORMONE (44-68), 43-TYR-

Enter P or PAGE for more

?p

Ref	Items	RT	Index-term
E37	4		PARATHYROID HORMONE (46-84)
E38	1		PARATHYROID HORMONE (53-68)
E39	21		PARATHYROID HORMONE (53-84)
E40	2		PARATHYROID HORMONE (65-84)
E41	1		PARATHYROID HORMONE (68-84)
E42	20		PARATHYROID HORMONE (7-34) AMIDE, TYR(34)-
E43	1		PARATHYROID HORMONE (7-34)-NH2, AHX(8,18)-TRP(
E44	7		PARATHYROID HORMONE (7-84)
E45	2		PARATHYROID HORMONE (8-34)
E46	4		PARATHYROID HORMONE (8-84)
E47	826		PARATHYROID HORMONE //RECEPTORS, (RECEPTORS, PARATHYROID HORMONE)
E48	0	1	PARATHYROID HORMONE RECEPTORS

Enter P or PAGE for more

?p

Ref	Items	Index-term
E49	2	PARATHYROID HORMONE RELATED PROTEIN (1-34)
E50	8	PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI

?s e4-e46



2 PARATHYROID HORMONE (1-11)  
 1 PARATHYROID HORMONE (1-11) AMIDE, ALA(3)-GLN(1  
 2 PARATHYROID HORMONE (1-14) AMIDE  
 2 PARATHYROID HORMONE (1-28)  
 2 PARATHYROID HORMONE (1-30)  
 6 PARATHYROID HORMONE (1-31)  
 3 PARATHYROID HORMONE (1-31)-NH2, LEUCYL(27)-CYC  
 87 PARATHYROID HORMONE (1-34)  
 22 PARATHYROID HORMONE (1-34) AMIDE  
 11 PARATHYROID HORMONE (1-34) AMIDE, NLE(8), NLE(  
 1 PARATHYROID HORMONE (1-34)-NH2, NLE(8,18)-LYS(  
 1 PARATHYROID HORMONE (1-34), ALA(25,26,27)-  
 1 PARATHYROID HORMONE (1-34), ARG(2)-  
 3 PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS  
 3 PARATHYROID HORMONE (1-37)  
 1 PARATHYROID HORMONE (1-84), ASP(76)-  
 1 PARATHYROID HORMONE (14-34) AMIDE, TYR(34)-  
 1 PARATHYROID HORMONE (19-38)  
 1 PARATHYROID HORMONE (2-34)  
 3 PARATHYROID HORMONE (24-48)  
 7 PARATHYROID HORMONE (28-48)  
 1 PARATHYROID HORMONE (28-54)  
 39 PARATHYROID HORMONE (3-34)  
 26 PARATHYROID HORMONE (3-34) AMIDE, NLE(8,18)-NL  
 1 PARATHYROID HORMONE (3-34) AMIDE  
 3 PARATHYROID HORMONE (3-84)  
 1 PARATHYROID HORMONE (3-84), FORMYLMETHIONYL-  
 1 PARATHYROID HORMONE (37-84)  
 1 PARATHYROID HORMONE (4-84)  
 1 PARATHYROID HORMONE (42-55), 55-TYR-  
 1 PARATHYROID HORMONE (43-68), 68-TYR-  
 15 PARATHYROID HORMONE (44-68)  
 1 PARATHYROID HORMONE (44-68), 43-TYR-  
 4 PARATHYROID HORMONE (46-84)  
 1 PARATHYROID HORMONE (53-68)  
 21 PARATHYROID HORMONE (53-84)  
 2 PARATHYROID HORMONE (65-84)  
 1 PARATHYROID HORMONE (68-84)  
 20 PARATHYROID HORMONE (7-34) AMIDE, TYR(34)-  
 1 PARATHYROID HORMONE (7-34)-NH2, AHX(8,18)-TRP(  
 7 PARATHYROID HORMONE (7-84)  
 2 PARATHYROID HORMONE (8-34)  
 4 PARATHYROID HORMONE (8-84)

S1

275 E4-E46

	8	PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI
E2	153	PARATHYROID HORMONE RELATED PROTEIN(1-34)
E3	35	PARATHYROID HORMONE (1-38)
E4	1	PARATHYROID HORMONE (7-34)NH2, NLE(8,18) -TRP(12
E5	1	PARATHYROID HORMONE-DEGRADING ENZYME
E6	323	PARATHYROID HORMONE-LIKE PEPTIDE RECEPTOR
E7	1	PARATHYROID HORMONE-RELATED PEPTIDE (1-36)
E8	1	PARATHYROID HORMONE-RELATED PEPTIDE (38-141)
E9	1	PARATHYROID HORMONE-RELATED PEPTIDE (38-64)
E10	27	PARATHYROID HORMONE-RELATED PEPTIDE(1-36)
E11	1674	PARATHYROID HORMONE-RELATED PROTEIN
E12	2	PARATHYROID HORMONE-RELATED PROTEIN (1-139)

Enter P or PAGE for more

?s e5

S5	1	'PARATHYROID HORMONE-DEGRADING ENZYME'
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?s e1-e4

	8	PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI
	153	PARATHYROID HORMONE RELATED PROTEIN(1-34)
	35	PARATHYROID HORMONE (1-38)
	1	PARATHYROID HORMONE (7-34)NH2, NLE(8,18) -TRP(12
S6	194	E1-E4

?p

Ref	Items	Index-term
E13	2	PARATHYROID HORMONE-RELATED PROTEIN (1-16)
E14	3	PARATHYROID HORMONE-RELATED PROTEIN (109-141)
E15	1	PARATHYROID HORMONE-RELATED PROTEIN (67-84)
E16	1	PARATHYROID HORMONE-RELATED PROTEIN (67-86)
E17	1	PARATHYROID HORMONE-RELATED PROTEIN (7-34) -NH2
E18	14	PARATHYROID HORMONE-RELATED PROTEIN(1-141)
E19	3	PARATHYROID HORMONE-RELATED PROTEIN(1-36) AMIDE
E20	2	PARATHYROID HORMONE-RELATED PROTEIN(1-40), TYR
E21	7	PARATHYROID HORMONE-RELATED PROTEIN(1-74)
E22	20	PARATHYROID HORMONE-RELATED PROTEIN(1-86)
E23	8	PARATHYROID HORMONE-RELATED PROTEIN(107-111)
E24	5	PARATHYROID HORMONE-RELATED PROTEIN(109-138)

Enter P or PAGE for more

?p

Ref	Items	Index-term
E25	1	PARATHYROID HORMONE-RELATED PROTEIN(14-34) AMI
E26	2	PARATHYROID HORMONE-RELATED PROTEIN(3-34)
E27	1	PARATHYROID HORMONE-RELATED PROTEIN(3-40), TYR
E28	1	PARATHYROID HORMONE-RELATED PROTEIN(37-67)
E29	2	PARATHYROID HORMONE-RELATED PROTEIN(53-84)
E30	9	PARATHYROID HORMONE-RELATED PROTEIN(7-34) AMID
E31	15	PARATHYROID HORMONE-RELATED PROTEIN-(107-139)
E32	1	PARATHYROID HORMONE-RELATED PROTEIN, BPA(1) -
E33	1	PARATHYROID HORMONE-RELATED-PROTEIN (1-38)
E34	1	PARATHYROID HORMONE-RELATED-PROTEIN (100-114)
E35	1	PARATHYROID HORMONE-RELATED-PROTEIN, BPA(2) -
E36	1	PARATHYROID HORMONE-RESPONSIVE B1 PROTEIN, HUM

Enter P or PAGE for more

?s e7-e35

	1	PARATHYROID HORMONE-RELATED PEPTIDE (1-36)
	1	PARATHYROID HORMONE-RELATED PEPTIDE (38-141)
	1	PARATHYROID HORMONE-RELATED PEPTIDE (38-64)
	27	PARATHYROID HORMONE-RELATED PEPTIDE(1-36)
1674		PARATHYROID HORMONE-RELATED PROTEIN
	2	PARATHYROID HORMONE-RELATED PROTEIN (1-139)
	2	PARATHYROID HORMONE-RELATED PROTEIN (1-16)
	3	PARATHYROID HORMONE-RELATED PROTEIN (109-141)
	1	PARATHYROID HORMONE-RELATED PROTEIN (67-84)
	1	PARATHYROID HORMONE-RELATED PROTEIN (67-86)
	1	PARATHYROID HORMONE-RELATED PROTEIN (7-34) -NH2
	14	PARATHYROID HORMONE-RELATED PROTEIN(1-141)

3 PARATHYROID HORMONE-RELATED PROTEIN(1-36)AMIDE  
 2 PARATHYROID HORMONE-RELATED PROTEIN(1-40), TYR  
 7 PARATHYROID HORMONE-RELATED PROTEIN(1-74)  
 20 PARATHYROID HORMONE-RELATED PROTEIN(1-86)  
 8 PARATHYROID HORMONE-RELATED PROTEIN(107-111)  
 5 PARATHYROID HORMONE-RELATED PROTEIN(109-138)  
 1 PARATHYROID HORMONE-RELATED PROTEIN(14-34) AMI  
 2 PARATHYROID HORMONE-RELATED PROTEIN(3-34)  
 1 PARATHYROID HORMONE-RELATED PROTEIN(3-40), TYR  
 1 PARATHYROID HORMONE-RELATED PROTEIN(37-67)  
 2 PARATHYROID HORMONE-RELATED PROTEIN(53-84)  
 9 PARATHYROID HORMONE-RELATED PROTEIN(7-34) AMID  
 15 PARATHYROID HORMONE-RELATED PROTEIN-(107-139)  
 1 PARATHYROID HORMONE-RELATED PROTEIN, BPA(1) -  
 1 PARATHYROID HORMONE-RELATED-PROTEIN (1-38)  
 1 PARATHYROID HORMONE-RELATED-PROTEIN (100-114)  
 1 PARATHYROID HORMONE-RELATED-PROTEIN, BPA(2) -